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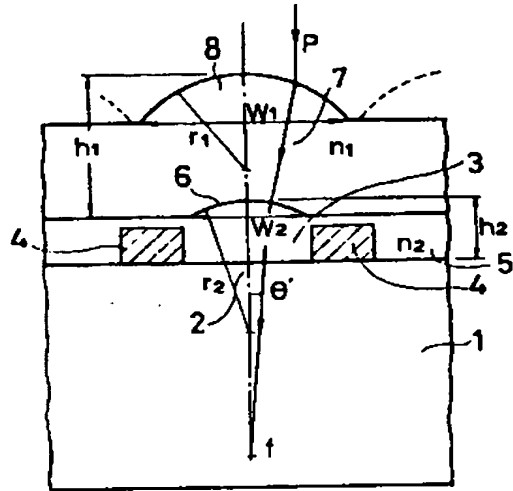
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TITLE : SOLID-STATE IMAGE PICK UP
ELEMENT



ABSTRACT : **PURPOSE:** To attain stable light collection by providing a multiple lens structure which has a first lens which has an aperture larger in the area than a sensor opening for collecting light and a second lens which deflects beams collected by the first lens to the direction vertical to a chip.

CONSTITUTION: Since a lens 8 has an aperture W_1 which is larger than a sensor opening 4 in the area, light collecting quantity can be increased. And since the beams are bent to the vertical direction by a lens 6, a structure becomes strong against designing deviation caused by process troubles, irregular reflection at an unopened part, etc., of the sensor is suppressed and the area of the sensor 2 is most effectively used. Even when the thickness of an electrode layer 4 is increased owing to the incident light which is intense in the vertical direction and that causes the multi-layer structure of the electrode, the element operates satisfactorily.

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